

Shock absorber damping force control device for motor vehicle calculates damping forces required to suppress roll and pitch based on models of individual and front and rear wheels

Patent number: DE10019763
Publication date: 2000-11-02
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Classification:
 - international: B60G21/10
 - european: B60G17/015B
Application number: DE20001019763 20000420
Priority number(s): JP19990112865 19990420

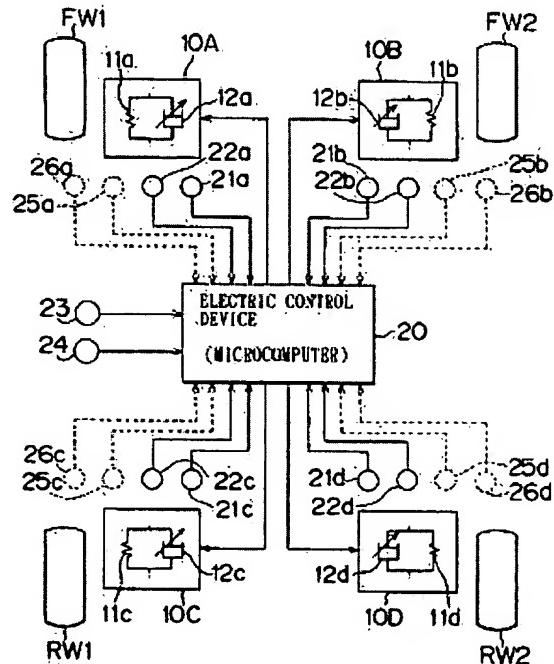
Also published as:

- [EU] US6366841 (B1)
- [EU] US6243631 (B1)
- [EU] FR2794068 (A1)

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Abstract of DE10019763

A controller (20) calculates the damping force for each wheel required to suppress the vibration of the car body in the roll direction, based on a model of the individual wheels of the vehicle. The controller also calculates a second damping force for each wheel required to suppress the vibration of the car body in the pitch direction, based on a model of the front and rear wheels of the vehicle. A final required damping force is calculated for each wheel based on the two calculated damping forces. A control signal is output to each shock absorber so that the required damping force is exerted. Independent claims are included for two further damping force control devices.



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